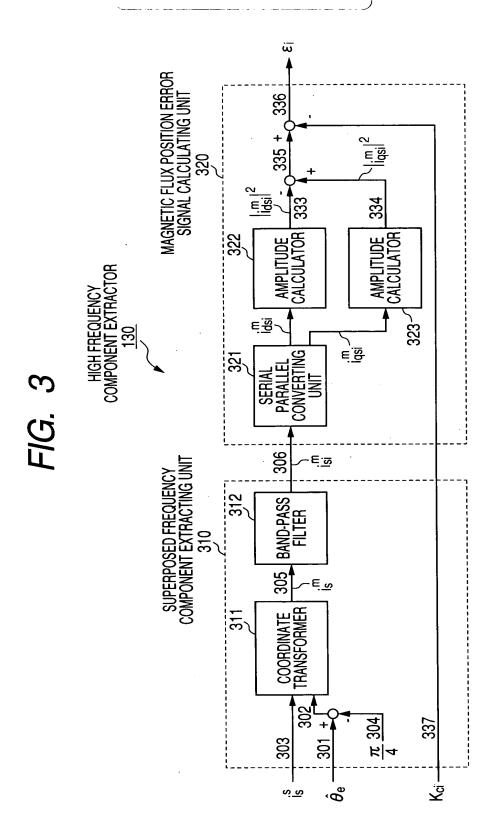


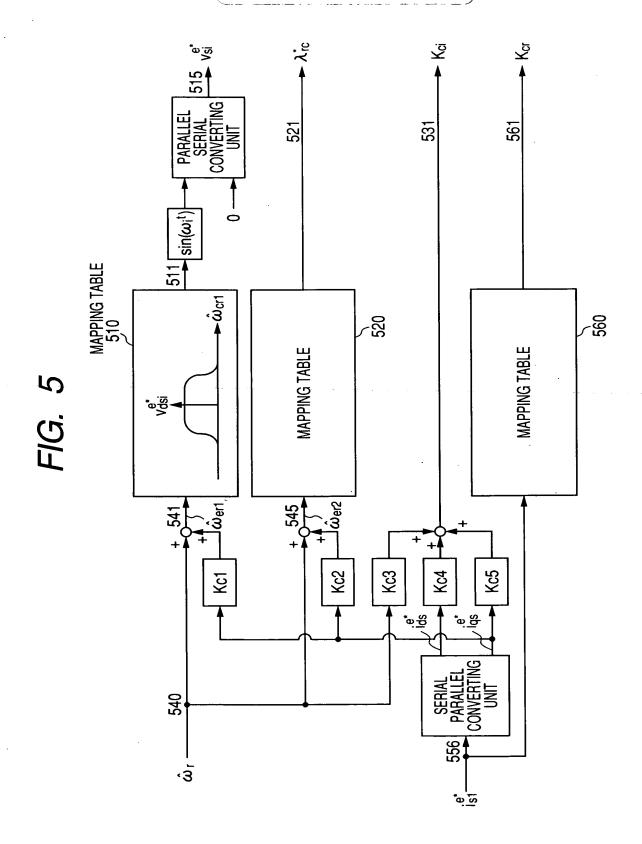
U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS $\hat{m{ heta}}_{\mathsf{e}}$ ٠× 82/ 22/ Ω 219 201 1/s ⋖ Z $\mathbf{\omega}$ 241 234 , e ∾<u>.</u>∾

U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS

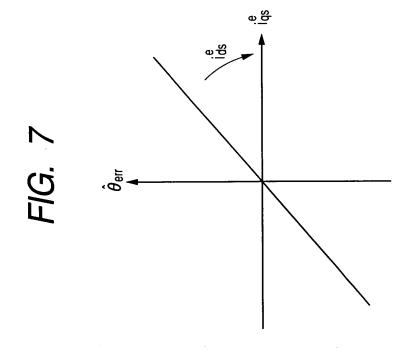


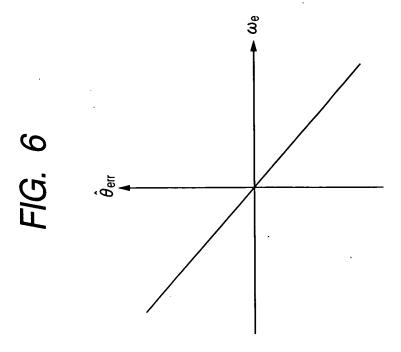
U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS ADAPTIVE CONTROLLER <u>중</u> ~ຜ ω G1 (s) G2 (s) G3 (s) \overline{c} S 461 <u>လ လ</u> ώ ٠×

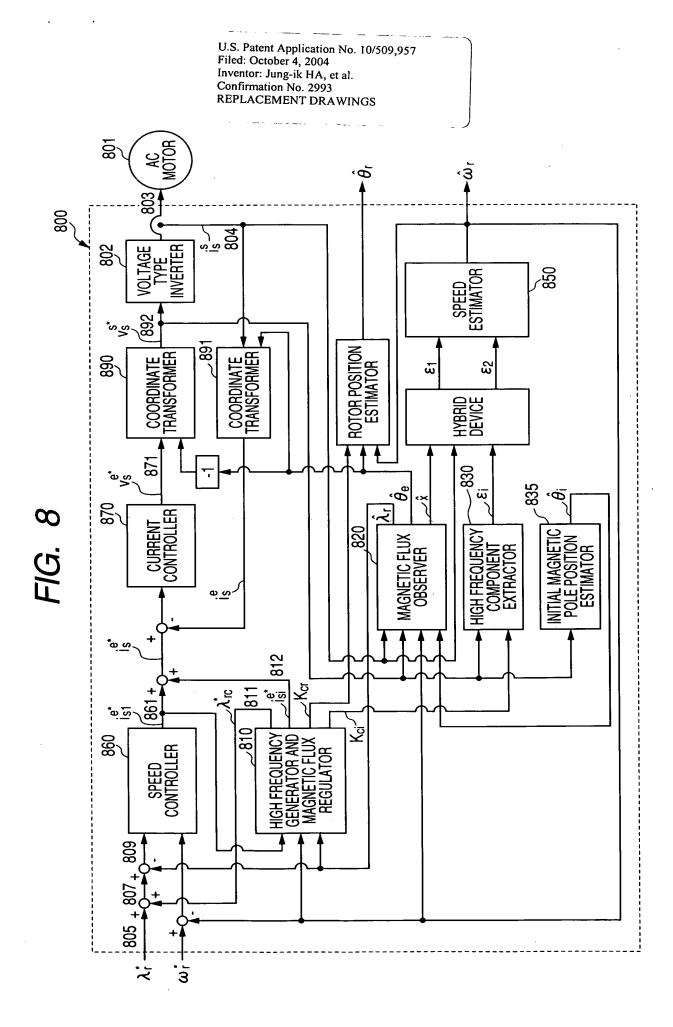
U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS

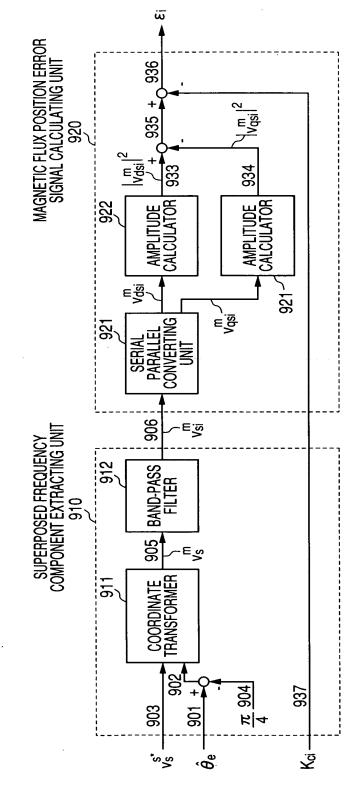


U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS



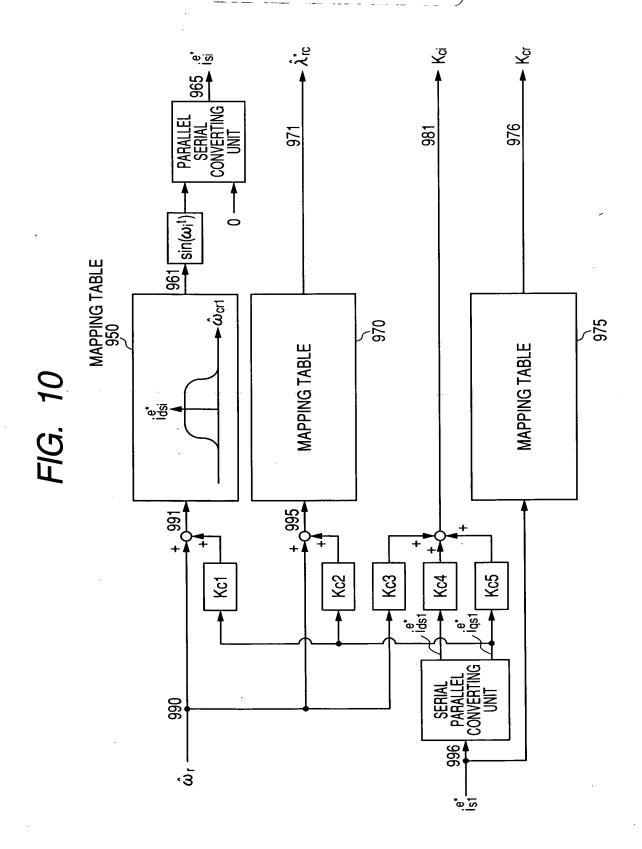






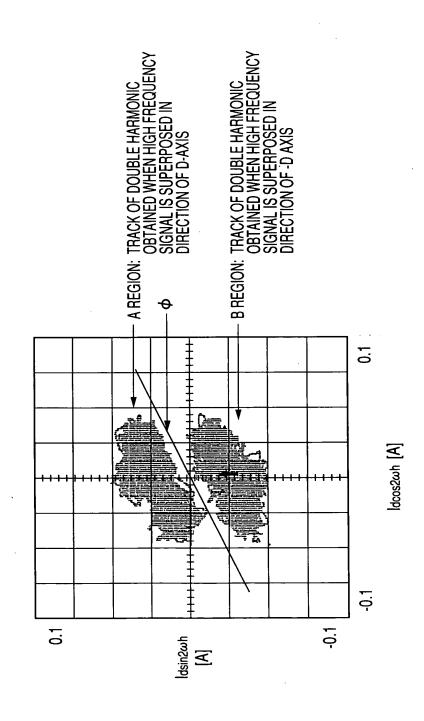
F/G. 9

U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS

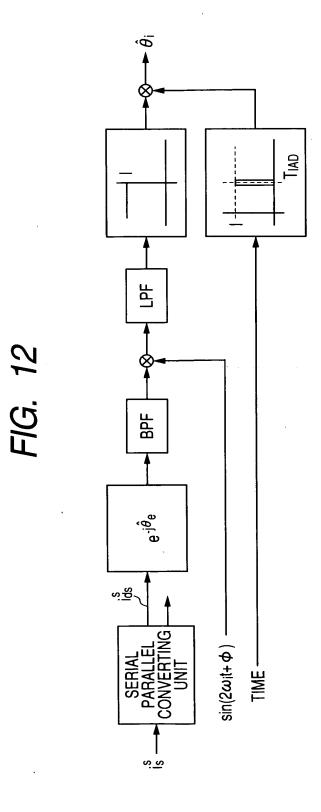


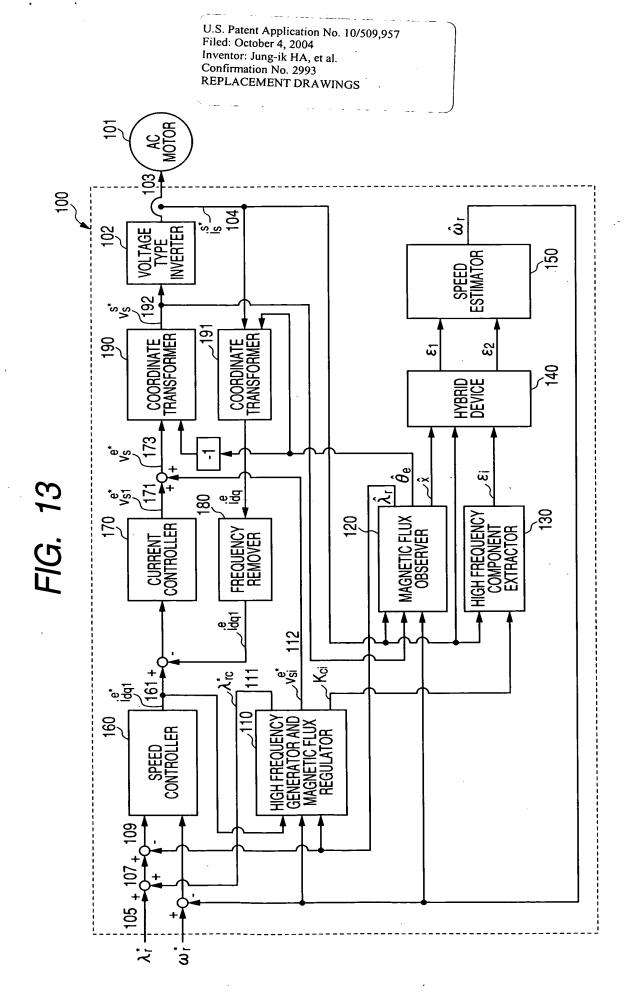
Confirmation No. 2993 REPLACEMENT DRAWINGS





U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS



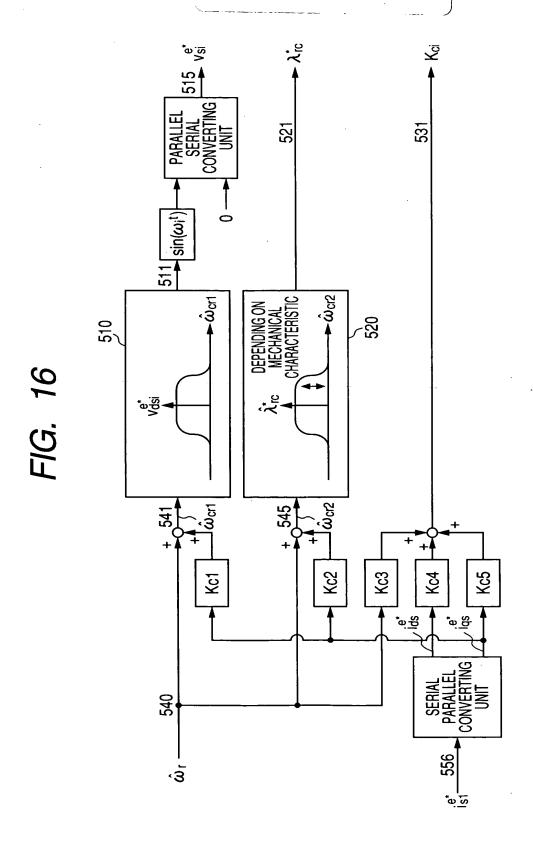


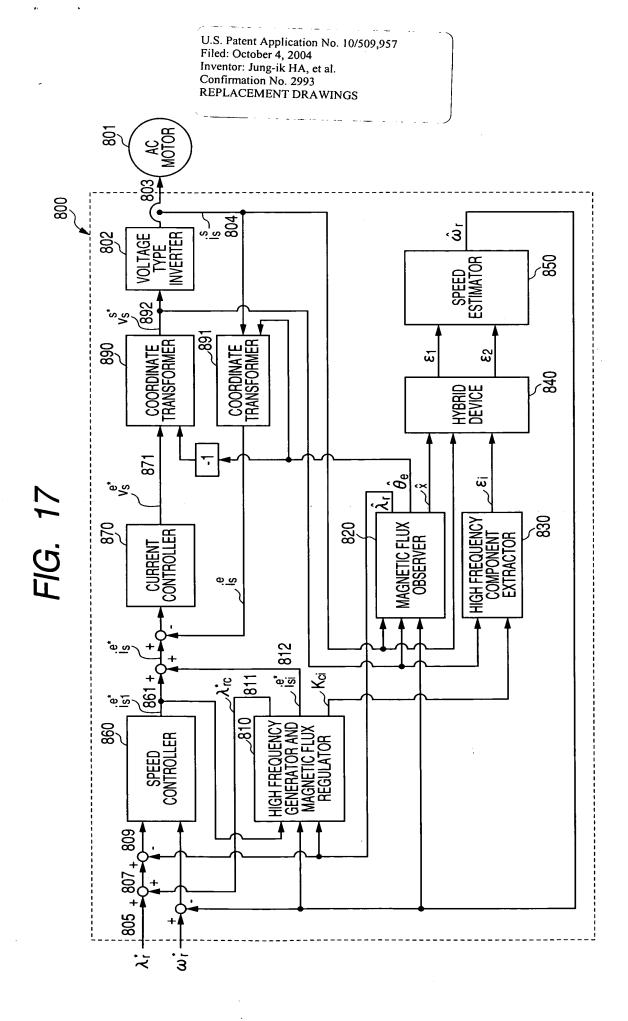
U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS $\hat{\boldsymbol{\theta}}_{\mathsf{e}}$ \overline{c} 22 87 87 S 201 , 202 203 G 235 , S S လ<u>် လ</u>

ADAPTIVE CONTROLLER ~% <u>س</u> HYBRID SCHEME G2 (s) G1 (s) \overline{c} 461 ώ ა<u>. გ</u> ٠×

FIG 15

U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS





U.S. Patent Application No. 10/509,957 Filed: October 4, 2004 Inventor: Jung-ik HA, et al. Confirmation No. 2993 REPLACEMENT DRAWINGS

